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For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: CORROSION RESISTANT COATINGS CONTAINING CARBON PIGMENTS

(57) Abstract: A coating composition comprising an effective corrosion-inhibiting amount of a carbon pigment is provided. In one embodiment, the corrosion-inhibiting carbon pigment is further comprising other components such as extenders, including neutral to slightly acidic generating extenders and acidic generating extenders, are earth compounds, amino acids and amino acid derivatives, gelatin and gelatin derivatives, organic-based exchange resins, and combinations thereof, to enhance the corrosion resistance of the resultant coating film. In one embodiment, the carbon pigment is a surface-modified carbon pigment. The coating compositions have good adhesion to substrates such as metals, including aluminum and aluminum alloys.

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/US2004/001222

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C09D5/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C09D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>US 6 176 907 B1 (GLAUSCH RALF) 23 January 2001 (2001-01-23)</p> <p>column 1, line 58 - line 62 column 2, line 9 - line 64 column 3, line 31 - line 34 column 3, line 55 - line 67 ----- -/--</p>	<p>1,2,6,7, 10,11, 14-22, 27-31, 33, 37-41, 47-49, 64,66-68</p>

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

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INTERNATIONAL SEARCH REPORT

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 41 15 625 A (RUETGERSWERKE AG) 19 November 1992 (1992-11-19)	1,14-22, 27,28, 47,48 49
A	column 2, line 25 - line 29 column 2, line 55 - line 63 claim 1; examples 4-6 -----	
X	EP 0 931 597 A (TOYO KOHAN CO LTD) 28 July 1999 (1999-07-28) paragraph [0001] paragraph [0006] paragraph [0014] - paragraph [0021] -----	1,14-22, 27,28, 47-49

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2004/001222

Box II Observations where certain claims were found unsearchable (Continuation of Item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of Item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1,2,6,7,10,11,14-22,27-31,33,37-41,47-49,64,66-68

Remark on Protest

☐ The additional search fees were accompanied by the applicant's protest.

☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1,2,6,7,10,11,14-22,27-31,33,37-41,47-49,64,66-68

coating composition comprising a carbon pigment and a binder, a method of preparing and a method of coating with said composition

2. claim: 3

coating composition comprising a carbon pigment and an amino acid

3. claims: 4,5,8,9,42-46,69-73

coating composition comprising a carbon pigment and a rare earth compound and a method of coating with said composition

4. claim: 12

coating composition comprising an inorganic dispersed carbon black pigment

5. claim: 13

coating composition comprising a resin- or surfactant-dispersed carbon black pigment

6. claim: 23

coating composition comprising a carbon pigment and an inorganic binder

7. claims: 24-26

coating composition comprising a carbon pigment and an epoxy-based binder

8. claims: 32,34-36

coating composition comprising a carbon pigment and a sulphate extender

9. claim: 50

coating composition comprising at least two co-inhibitors

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

10. claims: 51-63

system of a coating composition comprising a carbon pigment
and a pretreated substrate

11. claim: 65

method for preparing a coating composition comprising
pre-dispersing a carbon pigment with a dispersant

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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